

# EDGECONNECT

## SECURE INDUSTRIAL DATA INGESTION AND EDGE CONNECTIVITY

### PRODUCT OVERVIEW

EdgeConnect is EdgeMethods' secure edge data ingestion and connectivity product, designed to reliably capture, validate, and stream industrial and operational data from edge and OT environments into cloud platforms for analytics, governance, and optimisation.

#### PROBLEM



##### Data Fragmentation

Operational data is fragmented across OT, edge, and legacy systems.



##### Bespoke Integrations

Accessing data securely requires bespoke integrations.



##### Trust Issues

Data quality and trust issues delay analytics and AI initiatives.



##### Scale & Governance

Edge environments are difficult to scale and govern.

#### SOLUTION

#### How EdgeConnect Works

1

##### Edge Data Capture

Collects telemetry and signals locally from devices and gateways

2

##### Secure Ingestion

Validates, audits, and lands time-series data into governed data layers.

3

##### Contextual Integration

Fuses OT, IT, and enterprise data streams.

4

##### Data Readiness

Prepares trusted data for analytics and optimisation.

### Key Technical Capabilities



#### Connectivity

- Connects to common OT systems.
- Supports edge & on-premises.
- Designed for constrained and segmented networks.



#### Security

- Encrypted transfer to Azure.
- Enterprise security standards.
- Minimises attack surface between OT and IT.



#### Scalability

- Handles High-frequency/Volume data streams.
- Supports multiple sites and assets
- Designed to grow with operational demand.



#### Integration

- Native Azure alignment.
- Feeds downstream platforms, digital twins & analytics.
- Enables consistent data pipelines across environments.

## Business Benefits



### OPERATIONAL & STRATEGIC GAINS

- ✓ Reliable access to IT, OT, edge, and on-premise data
- ✓ Faster, lower-risk connectivity to cloud platforms
- ✓ Rapid, scalable rollout across sites and assets
- ✓ Consistent, complete data flow for analytics and reporting
- ✓ Lower integration costs without bespoke pipelines

### CUSTOMER & MARKET IMPACT

- ✓ Faster time to value for digital initiatives
- ✓ Greater trust in operational data
- ✓ Stronger security and compliance in regulated environments
- ✓ A future-proof data foundation for AI, twins, and optimisation
- ✓ Better alignment between OT and IT teams

## Deployment & Commercial

### DEPLOYMENT MODEL

Deployable in customer-controlled edge and Azure environments.

Designed for secure operation in constrained industrial networks.

Integrates natively with Azure data and analytics services.

### COMMERCIAL

Subscription-based data connectivity.

### MARKETPLACE

Available via Microsoft Azure Marketplace.

## Typical Use Cases



### Operational Reliability & Availability

Reliable telemetry with outcome validation



### Quality by Design & Compliance Readiness

Built for regulated and audit-driven environments



### OT / IT Situational Awareness

Ingestion across heterogeneous connectivity and delivers event-driven, contextualised data streams into Azure



### Energy & Resource Optimisation

Granular ingestion and alignment of energy, water, and resource telemetry with operational context



### Accelerating proof-of-concepts

Reduced pilot friction and accelerate time to value

## PLATFORM POSITIONING

EdgeConnect is the foundational data ingestion layer of the EdgeMethods platform. It enables downstream capabilities including data governance (EdgeGuardian), contextual modelling (EdgeTwin), and optimisation and analytics (EdgeLiberator).



EdgeConnect



EdgeGuardian



EdgeTwin



EdgeLiberator

**EdgeConnect securely unlocks industrial data at the source, enabling faster, safer, and more scalable operational insight.**